

MARKEWICZ, Olgierd; PINIOWSKI, Jan

**Five cases of polyneuritis in the course of sulfonamide therapy,
possibly with methylsulfathiazole. Polski tygod.lek. 10 no.15:486-
488 12 Apr 55.**

**1. 2 Kliniki Chorob Nerwowych Akademii Medycznej w Odanaku: kierow-
nik: dr Z.Majewska. Torzew, ul. Stalina 25.**

**(SULFONAMIDES, injurious effects,
polyneuritis, after ther.)**

**(POLYNEURITIS, etiology and pathogenesis)
sulfonamides ther.)**

MARKIEWICZ, O.

Some anatomical variations of the heart and large blood vessels in children. Kardiol. Pol. 5 no.1:1-4 '62.

1. Z Zakładu Anatomii Prawidłowej AM w Gdansk u Kierownik: prof. dr M. Reicher.

(CARDIOVASCULAR SYSTEM anat & histol)

NARKIEWICZ, W. (Wroclaw)

Remarks on a conjecture of Hanani in additive number theory. Col
math 7 no.2:161-165 '60. (EEAI 10:1)
(Numbers, Theory of)

32407

P/008/62/000/002/003/004
D265/D305

26.2190

AUTHOR: Narkiewicz, Wiktor, Master of Engineering

TITLE: Automatic friction clutch

PERIODICAL: Technika lo nicsa, no. 2, 1962, 53-54

TEXT: This paper describes an automatic clutch illustrated in Fig. 1, for which the Polish Patent No. 39750, Class 47 c 13 was granted to the author on Nov. 17, 1955, and published on July 15, 1957. The clutch consists of a body mounted on the shaft (1) which carries on its outside 4 radially movable blocks pressed by springs to a circular inflating tube (7) which is connected with the circular annular container full of mercury. The springs are so chosen that up to a certain angular velocity they press the blocks to the tube closing the passage (8) to container (9). On exceeding this limiting speed the centrifugal pressure of mercury exceeds the force of springs thus filling the inflating tube which expands and presses blocks 4 to the brake drum 5 causing it to rotate the driven shaft. There is 1 figure.

Card 1/2

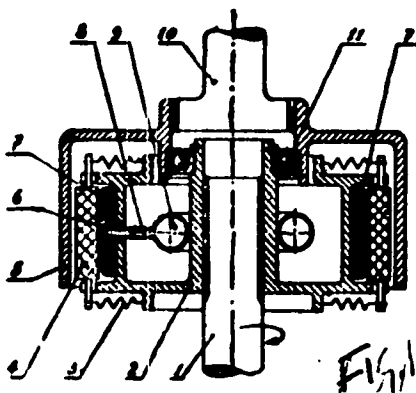
32407

P/008/62/000/002/003/004

0265/0305

Automatic friction clutch

ASSOCIATION: Instytut lotnictwa, Warszawa, Polska (The Aviation Institute,
Warsaw, Poland)



Card 2/2

NERKIN, V.

On transformations by polynomials in two variables. *Math. USSR Izv.*
math. 13 no.1:101-106, 1971.

1. Mathematical Institute of the Moscow University, Institute
of Mathematics of the Polish Academy of Sciences, and University
College, London. Submitted April 18, 1971.

MARKIEWICZ, W. (Wrocław)

On polynomial transformations. Acta arithmetica 7 no.3:241-249 '62.

NARKIEWICZ, W. (Wroclaw)

On a class of arithmetical convolutions. Col math 10 no.1:
81-94 '63.

NAFKIEWICZ, W. (Wroclaw)

Remark on rational transformations. Col math 10 no.1:13*-
142 '63.

MARKIEWICZ, W. (Wroclaw)

A note on V^* -algebras. Fund math 52 no.3:289-290 '63.

MARKIEWICZ, W.

On a summation formula of E. Cohen. Col math 11 no.1:
85-86 '63.

1. Mathematical Institute, University, Wroclaw.

NARKIEWICZ, W.

On a certain class of abstract algebras. Fund math 54 no.2:
115-124 '64.

1. Mathematical Institute, University, Wroclaw and Institute of Mathematics, Polish Academy of Sciences.

NARKIEWICZ-JODKO, J.; TRUSZKOWSKA, W.

Developmental dynamics of the mycorrhiza Populus marilandica Bosc. in Turew. p.279.

EKOLOGIA POLSKA. SERIA A. Warszawa, Poland. Vol. 3, no. 10, 1955.

Monthly List of East European Accessions Index (EEAI), LC. Vol. 8, No. 9, September 1959
Uncl.

POLAND/General and Specialized Zoology - Insects.

P.

Abs Jour : Ref Zhur - Biol., No 9, 1958, 40095

Author : Wilusz, Z., Gorny, M., Markiewicz-Jodko, J., Pacanowski, A.

Inst : -

Title : The Micromigrations of the Colorado Beetle.

Orig Pub : Postepy nauk roln., 1956, 3, No 1, 129-133.

Abstract : To ascertain the grounds for the method of trapping fields, the micromigrations of the Colorado beetle were studied. The micromigrations were accomplished by flight, and also by moving on foot. The beetle flies, as a rule, against the wind, and only accidentally with the wind. The migrating beetles inhabit fields which are close to their hibernation habitats. When the latter are close to potato fields the migration is accomplished on foot, the outside beds being populated at first. At the beginning of spring migrations, the beetles appear first of all on open fields, near the yester-year potato fields; the beetles appear

Card 1/2

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I 25850-66 NO
 REF ID: A1368953 (A) SOURCE CODE: 10/0077/65/000/009/0001/0005

ADDRESS: Ministry of Agriculture, USSR (Sector) 31
 5

ORG: Institute for Plant Protection, Siberian Division (Saklad Oshroby Roslin)

TITLE: Proper selection of insecticides

SOURCE: Oshroby Roslin, no. 9, 1965, 1-3

TOPIC TAGS: pesticide, insecticide, fungicide, bactericide, weed killer, organic phosphorus compound, hydrocarbon, chlorination

ABSTRACT: Research on insecticides⁶ carried out by the author in the last decade leads to the conclusion that 1) the widely used chlorinated hydrocarbons destroy both the harmful and the useful fauna, and accumulating in the soil, plants, and warm-blooded organisms endanger the health of men and animals; 2) organophosphorus compounds⁶ seem to be more suitable insecticides than chlorinated hydrocarbons inasmuch as after destroying the pests they eventually undergo decomposition, become nontoxic, and do not accumulate in the habitat; 3) organophosphorus compounds unlike chlorinated hydrocarbons practically do not appear in milk or animal products when properly applied; 4) organophosphorus compounds act systemically and deep inside the plants which makes them very effective against the virus diseases of plants; and 5) some organophosphorus

Card 1/2

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AEC No. AP5028953

compounds produce harmful side effects and, therefore, the compounds must be studied thoroughly with a view to selecting the most beneficial and eliminating the most harmful to the habitat.

SUB CODE: 06,07

SUBM DATE: 00

ORIG REF: 000

OTH REF: 000

Cont 2/2

S/123/62/000/016/006/013
A004/A101

AUTHORS: Shkuratov, P. I., El'kina, T. P., Narkinskaya, M. Ye.

TITLE: Investigating the conditions of high-temperature cementation of the 18 XTT (18KhGT) and 20 XH3A (20KhNZA) steel grades in solid carburizing agents

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 16, 1962, 23, abstract 16B127 ("Tr. Donetsk. politekhn. in-ta", 1961, v. 56, 103 - 114)

TEXT: The authors report on the results of laboratory tests of the conditions of high-temperature cementation (up to $1,000^{\circ}\text{C}$) of the 18KhGT and 20KhNZA steel grades in a solid carburizing agent consisting of charcoal with additions of BaCO_3 , CaCO_3 and NaCO_3 carbonates. The cementation was carried out under the following conditions: 920°C - 12 hours, 960°C - 7 hours and $1,000^{\circ}\text{C}$ - 4.5 hours, with subsequent cooling of the specimens and witness samples in cases. The tests showed that an increase of the cementation temperature from 920 to $1,000^{\circ}\text{C}$ somewhat increases the strength and lowers the ductility of cemented 18KhGT and 20KhNZA steel specimens subjected to final heat treatment (hardening at 840 and 810°C respectively

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Investigating the conditions of...

S/123/62/000/C16/006/012
A004/A101

and tempering at 200°C), which can be explained by the higher C-content in the hypereutectoid layer of the 20KhNZA steel specimens and by an increase in the width of the eutectoid and transition layer in the 18KhOT specimens (a consequence of the increased carbon diffusion rates at higher cementation temperatures). The microstructure of the cemented layer and core of the tested steels after final heat treatment was about the same, independent of the cementation temperature up to 1,000°C. The application of high-temperature cementation (1,000°C) permits the reduction of the duration of the cementation process by a factor of 2-4, the increase in the efficiency of heat-treatment shops and the cut of the cost price of the manufactured products without deteriorating the steel quality.

D. Litvinenko

[Abstracter's note: Complete translation]

ed 2/2

GOKHMAN, Ye.V.; GORELIK, I.G.[deceased]; PETROVA, T.D.; TOVCHAKOVA,
N.I.; ROMANOVA, P.M.; NARKOTSKAYA, I.V.; TSYRLIN, L.M.,
red.

[Ferrous metallurgy of capitalist countries; a statistical
manual] Chernaya metallurgiya kapitalisticheskikh stran;
statisticheskii spravochnik. [By] E.V.Gokhman i dr. Izd.3.,
dop. Moskva, 1964. 335 p. (MIRA 18:4)

1. Moscow. Tsentral'nyy nauchno-issledovatel'skiy institut
informatsii i tekhniko-ekonomicheskikh issledovaniy chernoy
metallurgii.

1. NARKOVIN, V.I.
2. USSR (600)
4. Daghestan - Petroglyphs
7. Petroglyphs in Daghestan, Izv.Vses.geog.ob-va. 85 no. 2, 1953.
9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

NARKTOWICZ, M. (Gdansk, Al. Zwyciestwa 42.)

A rare case of cerebromeningeal hernia in an infant. Neur. &c. polska
8 no.4:515-522 July-Aug 58.

1. Z Oddzialu Chirurgii Dzieciacej w Gdansk Kierownik: Z-ca prof.
dr med. R. Sztaba.

(ENCEPHALOCELE, in inf. & child
cerebromeningeal (Pol))

LYUBIMOV, N.S., kand.tekhn.nauk; MANUKHIN, A.S., starshiy nauchnyy sovetnik,
kand.tekhn.nauk; SHUMARINA, A.V., inzh.; SLADKOPEVTSEVA, G.Ye., inzh.;
NARKUNAS, N.I., inzh.; MISHKETKUL', Ya.S.

Reviews and bibliography. Tekst.prom. 25 no.11:90-94 N 'm.

(MIRA 18.12)

1. Rukovoditel' laboratorii. TSentral'nogo nauchno-issledovatel'skogo instituta khlopchatobumazhnoy promyshlennosti, Moskva (for Lyubimov).
2. TSentral'nyy nauchno-issledovatel'skiy institut khlopchatobumazhnoy promyshlennosti, Moskva (for Manukhin).
3. Khimicheskaya laboratoriya Ivanovskogo melanzhevogo kombinata (for Sladkopevtseva, Shumarina, Narkunas).
4. Nachal'nik tkatskogo proizvodstva Novo-Noginskoy tkatskogo-otdelochnoy fabriki (for Mishketkul').

EXCERPTA MEDICA Sec.12 Vol.12/2 Ophthalmology Feb. 58

A. P. Rutherford

263. THREE CASES OF VERNAL CATARRH OF THE OCULAR CONNECTIVE TISSUE (Russian text). Narmamedov N. TRUD. TURKMEN TRAKH. INST. 1956, 4 (163-168)

The literature data on the clinical picture, aetiology and pathological anatomy of vernal catarrh are described in detail. Good therapeutic results were seen with local and general desensitization treatment of 3 patients. (S)

(S)

NARUAYEV, M.B. Cand Agr Sci -- (diss) "The Improvement of the Alatau
breed of ~~the large~~ cattle in the Kirgiz~~SSR~~ SSR." Mos, 1958. 22 pp
(Mos Vet Acad of the Min of Agr USSR). 150 copies. (RL, 37-58, 111).

- 20 -

ALYAVIYA, M.K.; NARMETOV, K.N.

Reaction of cadmium halides with nicotinic acid. Zhur.neorg.khim.
8 no.5:1176-1179 May '63. (MIRA 16:5)

1. Tashkentskiy gosudarstvennyy meditsinskiy institut.
(Cadmium halides) (Nicotinic acid)

NARMUKHAMEDOV, N.

"Influence of Spacing on the Development and Yield of the Cotton Plant." Card
Agr Sci, Tashkent Agricultural Inst, Tashkent, 1953. (RZhPriol, No 1, Sep 54)

SO: Sum 432, 29 Mar 55

I 22441-66 EWT(m)/EWP(j)/T IJP(c) RM
ACC NR: AP6006362 (A) SOURCE CODE: UR/0413/66/000/002/0095/0095

AUTHOR: Nikitin, V. I.; Glasunova, Ye. M.; Narnitskaya, M. A.;
Nagibina, T. D.; Yassenkova, L. S. J/ B

ORG: none

TITLE: Preparation of synthetic rubber. Class 39, No. 178107 15.4k 15

SOURCE: Izobreteniya, pronyslennyye obraztsy, tovarnyye znaki, no. 2,
1966, 95

TOPIC TAGS: synthetic rubber, copolymerization, butadiene

ABSTRACT: This Author Certificate concerns a method for preparing synthetic rubber by water-emulsion copolymerization of butadiene with vinylacetylene compounds at reduced temperatures in the presence of peroxide initiators. In order to increase the number of types of synthetic rubbers, 3,4,7-trimethylocten-7-yne-5-diol is proposed for use as a vinylacetylene compound. [LD]

SUB CODE: 11/ SUBM DATE: 15Jun64

Cord 1/1 1/1 UDC: 678.762.2-136.93 2

ACC NR: AP7002562 (A,N) SOURCE CODE: UR/0413/66/000/023/0048/0048

INVENTOR: Nasyrov, K.I.; Naroditskiy, A.I.

ORG: none

TITLE: Method of automatic optimization of a multichannel low-inertia control object. Class 21, No. 189066. [announced by Central Scientific Research and Experimental Institute of Communications of the Defense Ministry (Tsentral'nyy nauchnyy issledovatel'sko-ispytatel'nyy institut svyazi Ministerstva obrony)]

SOURCE: Izobreteniya, pronyslennyye obrastay, tovarnyye znaki, no. 23, 1966, 48

TOPIC TAGS: optimal automatic control, multichannel communication

ABSTRACT:

The possible limiting speeds of controlling coordinate variations of a multichannel low-inertia control object differ greatly. These coordinates vary from a minimum to a maximum value along each channel. This Author Certificate proposes a method of control optimization which supplies and shortens the searching process and also increases reliability in sustaining the maximum possible extremal value of the output coordinate. This is obtained by

Cord 1/2

UDC: 621.3.078

ACC NR: AP7002562

simultaneously changing all controlling coordinates up to the moment of the repeated passing of the output coordinate with the extremal value. This halts the motion along the channel with the lowest speed of coordinate variation, and its position is fixed. This operation is repeated for each remaining channel by varying the direction of motion and by reducing one after another the speed of controlling coordinate variations down to the speed of the first fixed coordinate. [JP]

SUB CODE: 09/ SUBM DATE: 18May64/ ATD PRESS: 5114

Card 2/2

NEFEDOV, P.Ya.; CHERNOBROVKIN, V.P.; KATARIN, V.P.; ANAN'IN, A.A.;
BALBASHEV, V.K.; RYVKIN, I.Yu.; TSYNOVNIKOV, A.S.; KUZ'MIN, I.V.;
YAKOVLEV, S.Ye.; SHULAYEV, V.I.; MATSEVICH, S.I.; NARNITSKIY, A.P.;
BOKOV, O.K.; CHEREPANOV, V.Ye.

Coke briquets for cupola furnaces. Lit. proizv. no.3:6-7
Mr '65. (MIRA 18:6)

NAROBZ, Z.

Some cases of joining circular arches. p. 186.

GEODETSKI LIST. (Drustvo geodeta Hrvatske)
Zagreb, Yugoslavia
Vol. 13, no. 7/9, July/Sept. 1959

Monthly list of Eastern European Accession Index (EEAI) LC vol. 8, No. 11
November 1959
Uncl.

NAROBÉ, Zvonimir, dipl. inz. (Zagreb)

Reliability of the results from a small number of observations.
Geod list 18 no.7/9:189-197 J1-S '64.

NAROB, Zvonimir, ins.

Evaluating the precision of geodesic measurements based on
mathematical statistics and the probability theory. Geod list
17 no.1/3:42-53 Ja-Mr '63.

1. Geodetski fakultet, Zagreb, Kacicva 26.

NAROE, Zvonimir, dipl. inz. (Zagreb)

On some expressions of tolerances in urban mensurations with
a special emphasis on correction member. Geod list 18 1/3:
24-36 Ja-Mr '64.

1. Geodetic Faculty, University of Zagreb (Zagreb, Kacicva 26).

MARCOCHNAYA, L.K., uchitel'nitsa

Nature study in a camp of the young Alpinists. Biol. v shkole
no.3:57-59 My-Je '61. (MIRA 14:7)

1. Srednyaya shkola No. 131 Kiyeva.
(Nature study)

NAROCHNAYA, L.K. (Kiyev)

Working on local geography in the camp for young tourists. Geog.
v shkole 25 no.4:60-61 JI-Ag '62. (MIRA 15:8)
(Ukraine—Tourism)

NAROCHNAYA, L.K.

Studying hygiene during school excursions. Biol. v shkole
no.1:22-26 Ja-P '63. (MIRA 16:6)

1. Ukrainskiy nauchno-issledovatel'skiy institut pedagogiki,
Kiyev.

(School excursions)

(Hygiene—Study and teaching)

MAROVNIKOVSKIY, A.L.; BEKOVA, T.N., otvetstv. redaktor.

[Territorial and political divisions of the world from 1876-1914]
Territorial'no-politicheskii razdel mira s 1876 po 1914 g. Sostavle-
no i oformleno Nauchno-redaktsionnoi kartosostavitel'sko: chast'iu
GUM. Moskva, 1950. (MLBA 7:11)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye geodesii i karto-
grafii.

(Geography, Historical--Maps)

NAROCHNITSKIY, ALEKSEI LEONT'YEVICH

NAROCHNITSKIY, Aleksey Leont'yevich

NAROCHNITSKIY, Aleksey Leont'yevich (Moscow City Pedagogical Inst. imeni Potemkin)
Academic degree of Doctor of Historical
Sciences, based on his defense, 16 May 1955,
in the Council of the Inst of History Acad
Sci USSR, of his dissertation entitled:
"Agression of the European Powers and the
USA in the Far East in 1882-95."
For the Academic Degree of Doctor of Science

SO: Byulleten' Ministerstva Vyshego Obrazovaniya SSSR, List No. 2, 21 January 1956,
Decisions of the Higher Certification Commission concerning academic degrees
and titles.

NARODETSKAYA, L.N.

Case of tuberculosis of the thyroid gland. Zdrav. Kazakh. 21
no.3:73-76 '61. (MIRA 14:9)

1. Iz klinicheskogo otdela (zav. - dotsent G.K.Tkachenko) Instituta
klinicheskoy i eksperimental'noy khirurgii AN Kazakhskoy SSR.
(THYROID GLAND—TUBERCULOSIS)

NARCEDETSKAYA, L. N.

Functional state of the thyroid gland of rabbits in experimental thyroiditis according to data on the absorption of radioactive iodine. Izv. AN Kazakh. SSR. Ser. med. nauk 11 no.2:35-43 '64.
(MIRA 17:7)

SHLYGIN, G.K.; VASIL'YEVA, E.N.; MAROETSKAYA, R.V.

A lipotropic agent of the intestines. Dokl.AN SSSR 145 no.4 1953-
956 Ag '62. (MIRA 15:7)

1. Institut pitaniya AN SSSR. Predstavleno akademikom A.I.
Oparinyam.

(LIPOTROPIC FACTORS) (INTESTINES--SECRETIONS)

10(4)
AUTHOR:

Narodetskaya, R. Ya.

SOV/56-59 10 R/15

TITLE:

On the Reduction of the Module of Maximum Drainage of Rain
Floods Under the Conditions Prevailing in the (Soviet) Far East

PERIODICAL:

Meteorologiya i gidrologiya '959, Nr 10, p 28 (USSR)

ABSTRACT:

The modules of maximum drainage are reduced by the extension
of the individual drainage areas. Most formulas thereof are read
as follows.

$$M_{\max} = \frac{E}{(F+C)^n}$$
 . If the correction C of the drainage area is
neglected, the formula reads: $M_{\max} = \frac{B}{F^n}$ or $Q_{\max} = BF^{(1/n)}$. It

was shown by an analysis of the maximum drainage of rain floods
in the basin of the Ussuri river and the Sea of Japan that in
general all maximum values are due to continuous cloud bursts
covering simultaneously a wide area. Index n for the reduction
of the drainage module with respect to the drainage area
averages 0.15. In this case, the formula for the Ussuri basin
and the basin of the Sea of Japan reads:

Card 1/2

On the Reduction of the Module of Maximum Drainage of SOV/50-59-10-8/25
Rain Floods Under the Conditions Prevailing in the (Soviet) Far East

$q_{\max} = BF^{0.85}$. The values of B recommended for this area are
therefore to be checked and rendered more precise. There are
3 Soviet references.

Card 2/2

NARODETSKAYA, R.Ya.

Determining the variation coefficient of annual runoff for little-studied rivers of the Maritime Territory. Meteor.i gidrol. no.7: 32 J1 '60. (MIRA 13:7)
(Maritime Territory—Runoff)

BARODETSKAYA, R.Ya., kand.tekhn.nauk

**Calculation of maximum discharge for rivers of the Maritime
Territory. Sldr. 1 mel. 12 no.6:49-52 Je '60. (MIRA 13:7)**

- 1. Rasgiprovedkhoz.
(Maritime Territory--Rivers)**

NARODITSKIY, I.

VORONYANSKIY, A., shofer; NARODITSKIY, I., shofer.

Our working experience with a ZIS - 154 motor bus. Avt.transp.32
no.12:10 D '54. (MLRA 8:3)

1. Kiyevskiy avtobusnyy park No.1.
(Motor buses)

NARODETSKIY, M. Z.

PA 16T72

USSR/Roller Bearings
Bearings - Design

Feb 1947

"Flush-Fit of Roller Bearing Rings," M. Z.
Narodetskiy, Scientific Research Institute of the
Bearing Industry, 12 pp

"Inzhenernyy Sbornik" Vol III, No 2

Distribution of contact pressures over the fitting
surface of the interior ring of a cylindrical
roller bearing due to the action of an external
load and fitting tension.

16T72

NARODETSKIY, M. Z.

Narodeckii, M. Z. On the problem of Hertz on the contact of two cylinders. Doklady Akad. Nauk SSSR (N. S.) 56, 463-466 (1947). (Russian)

The author applies the complex variable methods of solution of plane problems of elasticity to solve the problem of interior contact of two perfectly smooth circular cylinders C_1 and C_2 . The cylinders are infinitely long and C_2 is interior to C_1 . If the plane of the complex variable $z = x + iy$ is taken perpendicular to the axes of the cylinders, then their cross-sections S_1 and S_2 are circular regions of radii R_1 and R_2 , $R_1 > R_2$. The force P pressing C_2 toward C_1 is applied at an arbitrary point of the y -axis in the region S_2 ($|z| \leq R_2$) and is directed along the y -axis. It is known that the solution of the elastic problem is determined by a set of four analytic functions $\varphi_j(z)$ and $\psi_j(z)$, determined in the regions S_j ($j=1, 2$), where S_1 is the region exterior to the circle of radius R_1 . These functions satisfy along the common arc of contact γ the boundary condition

$$(1) \quad \varphi_1'(t) + \overline{\varphi_1'(t)} - t\overline{\varphi_1''(t)} - e^{-2i\theta}\overline{\psi_1'(t)} = N(t),$$

where $N(t)$ is the normal component of stress along γ (the cylinders are smooth) and $\theta = \arg t$. The function $N(t)$ is determined by the load P , and the elastic constants κ and μ are assumed to be the same for S_1 and S_2 . The functions φ_j and ψ_j are connected with the displacement vector $u + iv$ by the formulas

$$2\mu(u + iv) = \kappa\varphi_j(z) - z\overline{\varphi_j'(z)} - \psi_j(z)$$

The continuity of displacements along γ , together with the boundary condition (1) on stresses, permit the author to calculate these functions and compute the maximum stresses (occurring in the middle of the arc of contact) for several configurations. I. S. Sokolnikoff (Los Angeles, Calif.).

Source: Mathematical Reviews, 1948, Vol. 9, No. 4

8mm 224

NARODETSKIY, M. Z.

Narodeckii, M. Z. On the strains in an inhomogeneous circular cylinder. Doklady Akad. Nauk SSSR (N.S.) 58, 1305-1308 (1947). (Russian)

The note is concerned with explicit determination of stresses in the following plane problem of linear elasticity. A two-dimensional region is bounded by concentric circles L_1 and L_2 of radii R_1 and R_2 ($R_2 > R_1$), respectively. The elastic constants in the region exterior to the circle L_1 differ from those of the interior region. The distribution of external forces is prescribed over L_2 and the displacements are assumed to be continuous across L_1 . The solution is given with the aid of analytic functions of a complex variable, in the form of infinite series which converge rapidly in a specific illustrative example given by the author.

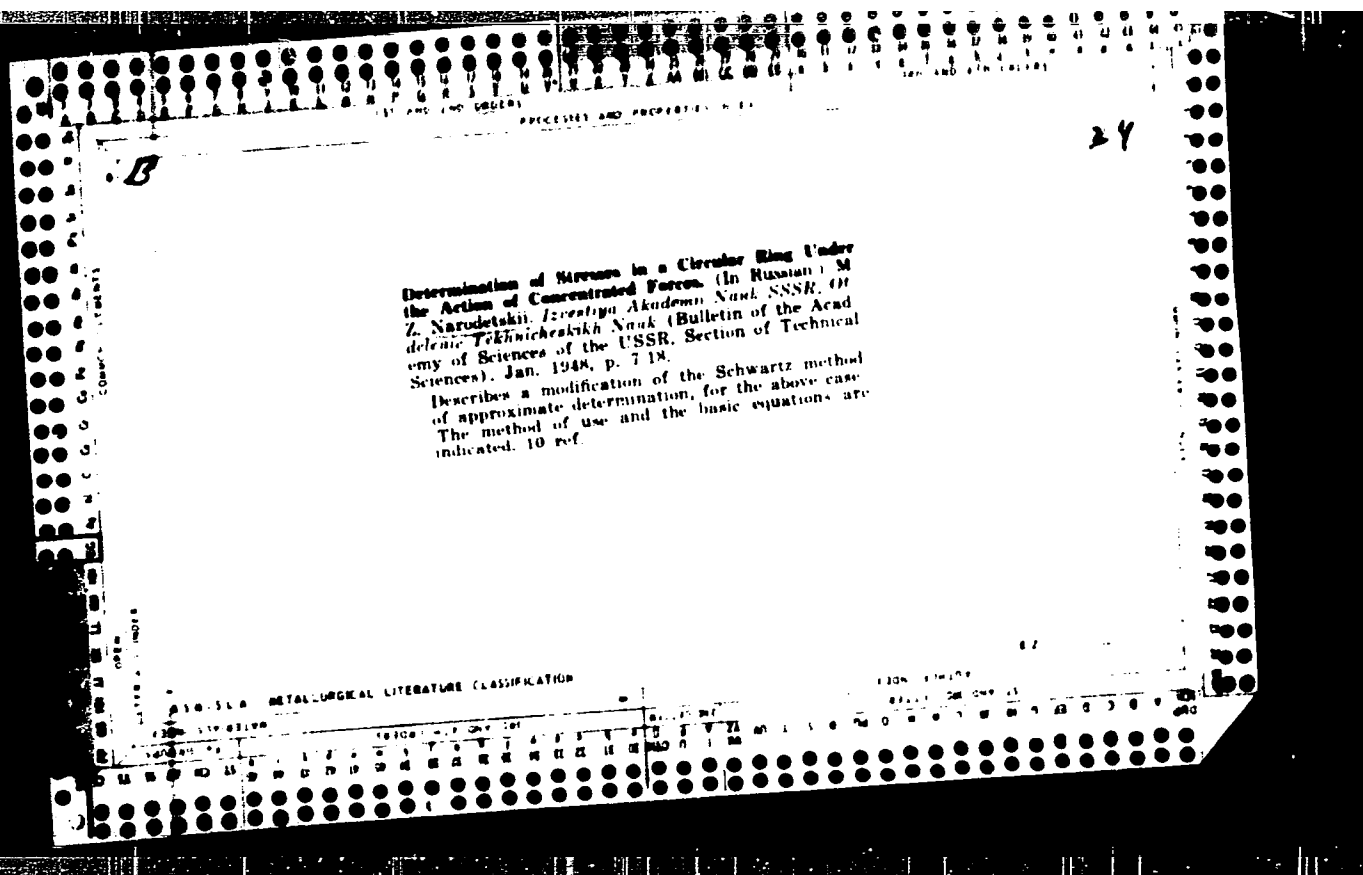
I. S. Sokolnikoff (Los Angeles, Calif.).

Source: Mathematical Reviews,

Vol 7

No. 7

8015 2001



NA RODETSKIY, M. Z.

Serman, D. I., and Narodecidi, M. Z. On the torsion of some prismatic hollow bodies. Akad. Nauk SSSR. Inzhenernyi Sbornik 6, 1: 46 (1950). (Russian)
The authors consider two prismatic hollow bars with the following cross-sections: 1) an ellipse with a concentric circular hole, and 2) a square with rounded edges with a concentric circular hole. In both cases the bars are twisted by a moment M acting on the outside contour. The problems are solved by conformal mapping, which, due to the fact that the cross-section is a doubly connected region, presents considerable difficulty. The method employed was developed by Serman [Doklady Akad. Nauk SSSR 63, 499-502 (1948); these Rev. 10, 651]. The obtained stress function, and hence the expressions for the stresses are in a form of complicated series. To make them useful for practical applications the authors tabulate for both cases up to twelve coefficients of the series for several dimension ratios.
T. Leser.

Source: Mathematical Reviews,

Vol. 13 No. 9

cmv 10/7

NARODETSKIY, M. Z.

158T97

USSR/Physics - Mechanics
Elasticity

Mar/Apr 50

"Problem of Conformal Reflection," M. Z. Narodetskiy, D. I. Sherman, Moscow, 6 pp

"Priklad Matemat i Mekh" Vol XIV, No 2

Gives approximate, but sufficiently effective, solution of problem of conformal reflection, in a doubly connected region S in the complex z -plane against a circular ring. Submitted 31 Dec 49.

158T97

NARODETSKIY, M. T.

Bearings (Machinery)

Tension in the separator of the high-velocity bearing. Podshipnik, No. 1, 1952.

Monthly List of Russian Accessions, Library of Congress, April 1952. UNCLASSIFIED.

NAIRODETSKIY, M. Z.

WILSON

THE UNIVERSITY OF CHICAGO

Another reason for this is that the majority of the people in the world are poor. The people in the world are poor because they do not have enough money to buy the things they need. The people in the world are poor because they do not have enough food to eat. The people in the world are poor because they do not have enough clothes to wear. The people in the world are poor because they do not have enough shelter to live in. The people in the world are poor because they do not have enough education to get a good job. The people in the world are poor because they do not have enough health care to stay healthy. The people in the world are poor because they do not have enough resources to live a good life. The people in the world are poor because they do not have enough opportunities to improve their lives. The people in the world are poor because they do not have enough power to change their lives. The people in the world are poor because they do not have enough hope to believe in a better future. The people in the world are poor because they do not have enough love to care for each other. The people in the world are poor because they do not have enough faith to believe in something greater than themselves. The people in the world are poor because they do not have enough courage to face their problems. The people in the world are poor because they do not have enough strength to overcome their difficulties. The people in the world are poor because they do not have enough wisdom to make good decisions. The people in the world are poor because they do not have enough compassion to understand the needs of others. The people in the world are poor because they do not have enough kindness to be gentle to each other. The people in the world are poor because they do not have enough patience to wait for things to get better. The people in the world are poor because they do not have enough humility to admit their mistakes. The people in the world are poor because they do not have enough gratitude to be thankful for what they have. The people in the world are poor because they do not have enough forgiveness to let go of their grudges. The people in the world are poor because they do not have enough mercy to be kind to those who are different from them. The people in the world are poor because they do not have enough justice to stand up for what is right. The people in the world are poor because they do not have enough peace to live without fear. The people in the world are poor because they do not have enough love to care for each other. The people in the world are poor because they do not have enough faith to believe in something greater than themselves. The people in the world are poor because they do not have enough courage to face their problems. The people in the world are poor because they do not have enough strength to overcome their difficulties. The people in the world are poor because they do not have enough wisdom to make good decisions. The people in the world are poor because they do not have enough compassion to understand the needs of others. The people in the world are poor because they do not have enough kindness to be gentle to each other. The people in the world are poor because they do not have enough patience to wait for things to get better. The people in the world are poor because they do not have enough humility to admit their mistakes. The people in the world are poor because they do not have enough gratitude to be thankful for what they have. The people in the world are poor because they do not have enough forgiveness to let go of their grudges. The people in the world are poor because they do not have enough mercy to be kind to those who are different from them. The people in the world are poor because they do not have enough justice to stand up for what is right. The people in the world are poor because they do not have enough peace to live without fear. The people in the world are poor because they do not have enough love to care for each other.

[illegible]

The following table shows the results of the survey. The first column lists the countries, and the second column shows the percentage of respondents who answered "Yes" to the question "Do you think that the use of nuclear energy is a safe way to produce electricity?"

DATE	DESCRIPTION	AMOUNT	CHECK NO.	BANK	INITIALS
10/1/78	10/1/78	100.00	100	100	100
10/2/78	10/2/78	100.00	100	100	100
10/3/78	10/3/78	100.00	100	100	100
10/4/78	10/4/78	100.00	100	100	100
10/5/78	10/5/78	100.00	100	100	100
10/6/78	10/6/78	100.00	100	100	100
10/7/78	10/7/78	100.00	100	100	100
10/8/78	10/8/78	100.00	100	100	100
10/9/78	10/9/78	100.00	100	100	100
10/10/78	10/10/78	100.00	100	100	100
10/11/78	10/11/78	100.00	100	100	100
10/12/78	10/12/78	100.00	100	100	100
10/13/78	10/13/78	100.00	100	100	100
10/14/78	10/14/78	100.00	100	100	100
10/15/78	10/15/78	100.00	100	100	100
10/16/78	10/16/78	100.00	100	100	100
10/17/78	10/17/78	100.00	100	100	100
10/18/78	10/18/78	100.00	100	100	100
10/19/78	10/19/78	100.00	100	100	100
10/20/78	10/20/78	100.00	100	100	100
10/21/78	10/21/78	100.00	100	100	100
10/22/78	10/22/78	100.00	100	100	100
10/23/78	10/23/78	100.00	100	100	100
10/24/78	10/24/78	100.00	100	100	100
10/25/78	10/25/78	100.00	100	100	100
10/26/78	10/26/78	100.00	100	100	100
10/27/78	10/27/78	100.00	100	100	100
10/28/78	10/28/78	100.00	100	100	100
10/29/78	10/29/78	100.00	100	100	100
10/30/78	10/30/78	100.00	100	100	100
10/31/78	10/31/78	100.00	100	100	100
11/1/78	11/1/78	100.00	100	100	100
11/2/78	11/2/78	100.00	100	100	100
11/3/78	11/3/78	100.00	100	100	100
11/4/78	11/4/78	100.00	100	100	100
11/5/78	11/5/78	100.00	100	100	100
11/6/78	11/6/78	100.00	100	100	100
11/7/78	11/7/78	100.00	100	100	100
11/8/78	11/8/78	100.00	100	100	100
11/9/78	11/9/78	100.00	100	100	100
11/10/78	11/10/78	100.00	100	100	100
11/11/78	11/11/78	100.00	100	100	100
11/12/78	11/12/78	100.00	100	100	100
11/13/78	11/13/78	100.00	100	100	100
11/14/78	11/14/78	100.00	100	100	100
11/15/78	11/15/78	100.00	100	100	100
11/16/78	11/16/78	100.00	100	100	100
11/17/78	11/17/78	100.00	100	100	100
11/18/78	11/18/78	100.00	100	100	100
11/19/78	11/19/78	100.00	100	100	100
11/20/78	11/20/78	100.00	100	100	100
11/21/78	11/21/78	100.00	100	100	100
11/22/78	11/22/78	100.00	100	100	100
11/23/78	11/23/78	100.00	100	100	100
11/24/78	11/24/78	100.00	100	100	100</

NARODITSKIY, M.I.

One problem of the plane theory of elasticity solvable in a finite form. *Sob. AN Grus. SSR* 19 no.3:263-266 S '57. (MIRA 11:5)

1. Ministerstvo avtomobil'noy promyshlennosti SSSR "Glavpodshipnik."
Predstavleno akademikom M.I. Muskhelishvili.
(Elasticity)

AUTHOR: Narodetskiy, M. Z. 20-114-4-14/63

TITLE: The Solution of the Two-Dimensional Problems in the Theory of Elasticity by Means of Special Functions (Resheniye zadach ploskoy teorii uprugosti s pomoshch'yu spetsial'nykh funktsiy)

PERIODICAL: Doklady Akademii Nauk SSSR, 1957, Vol. 114, Nr 4, pp. 729-732 (USSR)

ABSTRACT: The present paper discusses a method for the effective solution of an extended class of problems of the plane elasticity theory for double-connected domains (finite, infinite and semi-infinite). The author here investigates a circular plate S with two holes of unequal size. The boundary conditions for the determination of the complex tension functions are given. For the function $\varphi(z)$ occurring therein functional equations are given. Next, two special functions α_n and β_n are introduced which are regular and permit the reduction of the problem to recurrence formulae. α_n and β_n are of uniform construction and at $n \rightarrow \infty$ they rapidly tend towards the boundary values α and β . Therefore α_n and β_n can be represented outside the circular holes L_1 and L_2 by series according to exponents of α and β . Also when taking account of the surface-like and punctiform stresses the solution undergoes no basic change. After some computations

Card 1/2

The Solution of the Two-Dimensional Problems in the Theory of Elasticity by Means of Special Functions 20-114-4-14/63

equations for the development coefficients A_k and B_k are obtained. The numerical results obtained here can also be extended to a plate of finite breadth, if the breadth of the plate considerably exceeds the diameters of the holes. This method leads to rapidly converging processes for any boundaries and any stresses. There are 2 figures and 2 references, 2 of which are Slavic.

PRESENTED: December 26, 1956 by L. I. Sedov, Member, Academy of Sciences, USSR

SUBMITTED: April 25, 1956

Card 2/2

NARODETSKIY, M. Z.: Doc Tech Sci (diss) -- "Effective methods of solving harmonic, contact, and biharmonic problems in the theory of elasticity". Kiev, 1956. 22 pp (Acad Sci Ukr SSR, Inst of Structural Mechanics), 100 copies (KL, No 10, 1959, 125)

S/124/60/000/006/036/039
A005/A001

Translation from: Referativnyy zhurnal, Mekhanika, 1960, No. 6, p. 181, # 8129

AUTHORS: Belyanchikov, M.P., Narodetskiy, M.Z., Spitsyn, N.A.

TITLE: The Development of the Theory of Calculation of Antifriction Bearings During 15 Years ✓

PERIODICAL: Tekhnol. podshipnikostroyeniya, 1958, No. 17, pp. 181-193

TEXT: The authors present a brief review on the theoretical investigations applied to antifriction bearings. These investigations may be divided into a number of divisions: 1) Contact problems of the elasticity theory. Works on investigation of the contact stresses pertain hereto, which arise between the ball or the roller and the race of the bearing. 2) The application of the classical methods of the two-dimensional elasticity theory to the solution of several problems of antifriction bearing designing. The problem of stresses is solved, which occur in the bearing races. On the basis of this work, minimum allowances were determined which are necessary for mounting the bearing into the engine case. 3) The development of new methods for solving the problems of the two-dimensional elasticity theory for calculating the components of antifriction bearings. The Card 1/2

S/124/60/000/006/036/039

AC05/A001

The Development of the Theory of Calculation of Antifriction Bearings During 15 Years

stresses in plates with circular apertures are considered by new methods. 4) The investigation of the load distribution between the rolling bodies of the bearing. Results are presented of works on determining the distribution of the axial and radial loads between the balls of radial thrust bearings. 5) The investigation of the influence of the radial gap on the carrying power and the service life of antifriction bearings. It turned out that the carrying power of the bearings rapidly decreases with an increasing gap between the balls and rollers and the races of the bearing. The optimum conditions of the bearing operation are obtained for zero-gap. 6) Investigations of kinematics and dynamics of special shapes of bearings. The kinematics and dynamics of the motion of the balls in thrust bearings are considered. 7) Theoretical investigation of high-speed bearings and loads, to which the bearing elements are subjected at high speeds. The loads affecting the bearing retainer and the heat emission in the bearing are determined.

A.I. Golubev

Translator's note: This is the full translation of the original Russian abstract.

Card 2/2

L 22151-65 1Pr(c)/EPR/EWT(d)/EWT(m)/T/EWA(d)/ENP(w) Pr-l/Ps-l AEDC(a)/ASDF-3
EM/DJ

ACCESSION NR: AB045674

S/0277/64/000/005/0036/0036

SOURCE: Eng. zh. Mashinostro. nauk., Moscow 1 raschet total. mash. Otd.
vyp. 1, 1963, 11-30

AUTHOR: Podshipnik, V. A.; Kuznetsov, M. V.; Lyubchenko, I. Ya.

TITLE: New developments in the theory of calculating roller-contact bearings.

CITED SOURCE: Pr. Vses. n.-i. konstrukt. zdaniy, in-ty podshipnik.
prom-sti, no. 3(35), 1963, 11-30

TOPIC TAGS: roller contact bearing, antifriction bearing, bearing theory,
elasticity theory, radial ball thrust bearing, bearing load capacity, radial
gap

TRANSLATION: The article presents a survey of studies, mainly by Soviet authors,
on the theory of calculation of roller contact bearings, which include the formu-
lation of contact problems in the theory of elasticity. Subjects discussed in-
clude methods for solving problems in the theory of elasticity relating to

Card 1/2

bearing design, analysis of effects of radial gaps on load capacity and life of roller contact bearings, analysis of dynamic and kinematic characteristics of various types of antifriction bearings, design principles for high speed bearings, theoretical principles of calculating preset roll gap and regulating the end play of radial ball thrust bearings, as well as an evaluation of the comparative load capacity of various types of bearings.

SUB CODE: DE

EXCL: 00

ACCESSION NR: AP4038713

S/0251/64/034/001/0037/0014

AUTHOR: Narodetskiy, M. Z.

TITLE: Stresses in an infinite plate weakened by three circular apertures

SOURCE: AN GruzSSR. Soobshcheniya, v. 34, no. 1, 1964, 37-44

TOPIC TAGS: stress field, infinite plate, circular aperture, elasticity, recursion formula, stress function

ABSTRACT: The author reduces a problem in elasticity theory to recursion formulas (from which the unknown coefficients are determined), using special functions to study the stress field in an infinite plate weakened by three circular apertures. Orig. art. has: 21 formulas, 1 table, and 1 figure.

ASSOCIATION: none

SUBMITTED: 22Feb63

DATE ACQ: 04Jun64

ENCL: 00

SUB CODE: ME

NO REF SOV: 001

OTHER: 000

Card 1/1

L 11222-66 EWT(d)/EWT(m)/T/ETC(m)-6/EWP(w) IJP(c) Wt/EM/DJ

ACC NR: AP6002650

SOURCE CODE: UR/C251/65/040/002/0295/0302

AUTHOR: Narodskiy, N. Z.

ORG: All-Union Scientific Research Institute of the Bearing Industry for Design and Manufacture, Moscow (Vsesoyuznyy nauchno-konstruktorско-tekhnologicheskii institut podshipnikovoy promyshlennosti)

TITLE: Symmetric loading of an infinite plate weakened by three circular holes

SOURCE: AN GruzSSR, Soobshcheniya, v. 40, no. 2, 1965, 295-302

TOPIC TAGS: hole weakened plate, stress concentration

ABSTRACT: A solution is given of the problem of the elastic equilibrium of an infinite plate with three identical circular holes (arranged in line and equally spaced) which is subjected to uniform pressure applied to the edges of the holes. Complex representation of stress functions is used in solving the problem. A method developed by N. I. Muskhelishvili is applied in setting up functional equations for the complex-variable stress functions. By introducing auxiliary functions describing the stress-strain relations in the hole-weakened domain, a general expression with unknown coefficients which represents the solution of the problem is written. After performing certain transformations and using the boundary conditions for the middle hole and side holes, expressions for determining the unknown coefficients are obtained. The solution obtained in this way can be easily extended to other types of symmetrical

Card 1/2

L 14222-66

ACC NR: AP6002650

plate loading. Calculation procedures in cases when a uniform pressure is applied only to the edges of the side holes (the edge of the middle hole is free of external loads), and vice versa, are indicated. The values of coefficients calculated by means of three approximations are given in a table. It is noted that the third approximation does not introduce any essential corrections and thus can be omitted even under the most unfavorable conditions (when the edges of neighboring holes are close to each other). A diagram showing the stress distribution is given. Orig. art. has: 1 figure, 24 formulas, and 1 table. [VK]

SUB CODE: 20/ SUBM DATE: 17Sep64/ ORIG REF: 002/ ATD PRESS: 4/92

NESTERIN, M.F.; NARODETSKAYA, R.V.

Methods for obtaining pure gallbladder and liver bile in
chronic experiments. Biul. eksp. biol. i med. 59 no.4:120-123
Ap '65. (MIRA 18:5)

1. Laboratoriya fiziologii i patologii pishchevareniya (zav. -
prof. G.K. Shlygin) Instituta pitaniya AMN SSSR, Moskva.

NESTERIN, M.F.; NAROLETSKAYA, R.V.

Ability of the gallbladder to absorb protein. Biokh. zh. - Russ. J. biochem. med. 59 no.5:43-47, 1965. (MIRA 12)

1. Laboratoriya fiziologii i patologii pishchevareniya (zav. - prof. G.K. Shlygin) Instituta pitaniya ANU SSSR, Moskva.

NESTERIN, M.F.; NARODETSKAYA, R.V.; SHLYGIN, G.K., prof.

Secretion of the lipoprotein complex in the liver bile. Biul.
eksp. biol. i med. 60 no.7:56-60 J1 '65. (MIRA 18:8)

1. Laboratoriya fiziologii i patologii pishchevareniya (zav.-
prof. G.K. Shlygin) Instituta pitaniya AMN SSSR, Moskva.

1 1109-25 07(1)/1/000(b)-3 Page-2 (JF(c)

EXCERPT No. 1109-25

8/0005/01/000/002/0005/0006

AUTHORS: Lifshits, E. B.; Yagupol'skiy, L. M.; Lashkov, I. I.; Yufa, P. A.;
Koroditskaya, D. Ya.

TITLE: A method for sensitizing silver halide photographic materials. Class 57,
No. 167746

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 2, 1985, 86

TOPIC TAGS: photography, photographic material, photographic emulsion, color
photography, silver compound, light sensitivity, silver halide

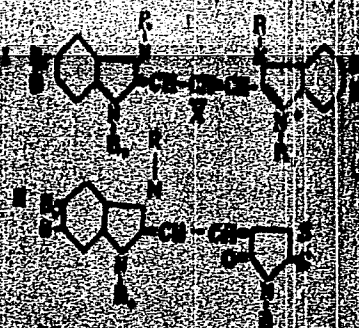
ABSTRACT: This Author Certificate introduces a method for sensitizing silver
halide photographic materials to the green, yellow, and orange bands of the
spectrum by introduction, prior to pouring, of sensitizers--tetrahalide-replaced

dimethinecyanines (II) of the general formula:

containing

L-31094-65

ACCESSION NR: AP5004978



Here, R - F, Cl, or OH, - groups; R₁ - SO₂, or SO₂NH₂, - groups; R - alkyl or aryl; R₁ - alkyl; R - acid residue. In an alternate method, to obtain a green-sensitive layer in layered materials, after the introduction of sensitizers, the emulsion also receives nondiffusing components, such as the pyrazolone deriva-

emulsion also receives nondiffusing components, such as the pyrazolone deriva-
tives. Orig. art. has: 1 formula.
ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy kinofotoinstitut (All-Union
Scientific Research Institute of Cinematic Photography); Institut organicheskoy
khimii A. N. NERSEN (Institute of Organic Chemistry, A. N. NERSEN)

Cont 2/3

NERODITSKAYA, G. D.

USSR/Human and Animal Physiology - Nervous System.

V-12

Abs Jour : Ref Zhur - Biol., No 1, 1958, 4477

Author : G.D. Naroditskaya

Inst : Institute of the Higher Nervous Activity, Academy of
Sciences USSR

Title : On the Problem of the Study of Phenomena Known as Secon-
dary Excitation in the Cerebral Cortex of Children.

USSR/Human and Animal Physiology - Nervous System.

V-12

Abs Jour : Ref Zhur - Biol., No 1, 1958, 4477

associations elaborated in the ontogenesis ("secondary excitation"); it was, however, identified in 53 percent of the children between 8 and 9, and in 85 percent children between 11 and 12.

Analogous phenomena of "secondary inhibition" were also observed.

Card 2/2

NARODITSKAYA, G. D.

USSR/Human and Animal Physiology - Nervous System.

V-12

Abs Jour : Ref Zhur - Biol., No 1, 1958, 4479

Author : G.D. Naroditskaya

Inst : Institute for the Higher Nervous Activity, Academy of Sciences USSR

Title : Complex Dynamic Structure in Various Age Groups of Children.

Orig Pub : Ser. patofiziol., 1956, 2, 129-135

Abstract : When conditioned reactions were present to pictures representing birds and animals, the words "bird" and "animal" evoked adequate reactions in 8 per cent of children belonging to age group 5-6 and 100 percent of children in the age group 12. No adequate reactions to pictures showing birds and animals were observed at pre-school age although conditioned reactions to the words

Card 1/2

USSR/Human and Animal Physiology - Nervous System.

V-12

Abs Jour : Ref Zhur - Biol., No 1, 1958, 4479

"bird" and "animal" had been noted; at the age of 8
they were observed in 27 percent and in 95 percent of
12 year old children.

Card 2/2

41366

S/081/62/000/018/033/059
B158/B180

5 3300
AUTHORS: Sultanov, S. A., Maroditskaya, L. G., Mardanov, M. A.,
Ozerova, Yu. P., Mustafayeva, Z. B.

TITLE: Destructive hydrogenation of the gas oil fraction of
petroleum

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 10, 1962, 44, abstract
18M132 (Azerb. neft. kh-vo, no. 1, 1962, 39-40)

TEXT: The gas oil fraction of Balakhano heavy oil containing 45.2%
aromatics, was used in a study of the destructive hydrogenation of gas oil
fractions which contain large quantities of aromatic hydrocarbons and do
not have satisfactory qualities as fuels. The hydrogenation was carried
out at 350-400°C, a pressure of 200 atm., and a volumetric crude oil feed
rate of 0.5-1.5, in the presence of the industrial catalyst WS₂. The

• kerosene-gas oil fraction of petroleum from the Neftyanyye Zamni field
underwent destructive hydrogenation under the same conditions. It was
found that the fuel qualities of the crude can be improved under these

• Card 1/2

35
Destructive hydrogenation of the gas ...

S/081/62/000/018/033/059
B156/B160

40 optimum conditions. The paraffinic hydrocarbon content of the
hydrogenisate rises noticeably, and, moreover, 20-26% of the naphthene
rings are opened up as a result of the destructive hydrogenation.
[Abstracter's note: Complete translation.]

45
50
55
60
Card 2/2

NARODITSKAYA, O.Ya. (Stalino (Donbass) Komsomol'skiy prospekt, D. 7, kv. 10)

Fibrosarcoma of the skin arising from a solid fibroma. Nov. khir. arkh.
5:120-123 3-0 '58. (MIRA 12:1)

1. Kafedra fakul'tetskoy khirurgii (sav. - prof. K.T. Ovnatanyan)
Stalinskogo meditsinskogo instituta.
(SKIN--TUMORS)

NARODITSKAYA, O.Ya.

Thrombosis of the vena porta. Nov.khir.arkh. no.6:136-137 N-D
'58. (MIRA 12:3)

1. Kafedra fakul'tetskoy khirurgii Stalinskogo meditsinskogo instituta.

(THROMBOSIS)
(PORTAL VEIN--DISEASES)

SULTANOV, S.A.; MARDANOV, M.A.; NARODITSKAYA, S.G.

Evaluation of the hydrogenation refining of kerosene fractions
on various catalysts. Azerb.khim.sbur. no.3:25-29 '60.

(MIRA 14:8)

(Petroleum--Refining)

(Hydrogenation)

30649

S-08-61/000/020/082/089
O/B147

// 0130

AUTHORS: Mardanov, M. A., Sultanov, S. A. Naroditskaya, S. G.

TITLE: Hydrogenative refining of secondary kerosene gasoil fractions

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 20, 1961, 405, abstract 20M101 (Azerb. khim. zh., no. 5, 1960, 3-8)

TEXT: Products of the catalytic cracking of light gasoil, polymer gasoil, petroleum, of the kerosene fraction of mild thermal cracking of mazout were refined in the stationary system (in an autoclave) as well as on a counterflow hydrogenation plant, using industrial nickel catalysts on kieselguhr and tungsten sulfide. It was shown that after hydrogenative refining secondary products are intensively hydrogenated on nickel catalysts, at 180°C and 50-100 atm, and that the amount of by-products is insignificant. Hydrogenation on tungsten sulfide takes place in one stage. Owing to the more rigorous reaction conditions, the formation of by-products is much more intense. Optimum hydrogenation conditions are as follows: 325°C, 200 atm, and a volume rate of 0.5 of raw material feed

Card 1/2

30649

S/081/61/000/020/082/089

B110/B147

Hydrogenative refining of...

per hr referred to the catalyst volume. By hydrogenation of the unsaturated hydrocarbons of the kerosene gasoil fractions of thermal and catalytic cracking, it was possible to increase their efficiency and cetane number. [Abstracter's note: Complete translation]

X

Card 2/2

29441

S/081/61/000/017/34/66

B117/B102

11.0140 a40 3019

AUTHORS: Mardanov, M. A., Sultanov, S. A., Naroditskaya, S. G.

TITLE: Refinement of kerosene fractions obtained by direct distillation of Azerbaydzhan petroleum

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 17, 1961, 466. abstract 17M162 (Azerb. khim. zh , no. 6, 1960, 45-49)

TEXT: Hydrogenation of kerosene fractions of Kergez and Mazanka petroleums containing 25.4 and 42.7% of aromatics, respectively, has demonstrated that Diesel-fuel resources can be increased substantially by refining kerosene fractions of highly aromatized Azerbaydzhan petroleum. Refinement is carried out at a temperature of 180°C and at an H₂ pressure

of 50 - 100 atm, using commercial nickel on a kieselguhr catalyst.

[Abstracter's note: Complete translation]

41

Card 1/1

S/081/62/000/008/038/057
B156/B101

11 0140

AUTHORS: Mardanov, M. A., Sultanov, S. A., Naroditskaya, S. G.

TITLE: Improvement in the quality of diesel fuels, and expansion of reserves

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 8, 1962, 476, abstract 8M134 (Azerb. neft. kh-vo, no. 9, 1961, 31-32)

TEXT: Straight-run (winter and summer) diesel fuels (DF), products of secondary origin such as light gas oil and polymer gas oil from catalytic cracking, and also thermal cracking refluxes, were hydrogenized in a continuous flow plant at 325°C and an H₂ pressure of 200 atm, over a WS₂ catalyst at a volumetric flow rate of 0.5 hours⁻¹; the purpose was to improve the quality of DF produced in Baku refineries and to expand the reserves of these fuels. It was established that, under the conditions described, the cetane number of the DF can be raised by 8-9 points by hydrogenizing straight-run fuels, without deterioration of their other qualities. High-grade DF components are produced when light gas oil, polymer gas oil from catalytic cracking, and thermal cracking reflux are

Card 1/2

Improvement in the quality ...

S/081/62/000/008/038/057
B156/B101

hydrogenized. [Abstracter's note: Complete translation.]

Card 2/2

MARDANOV, M.A.; NAHODITSKAYA, S.G.; SULMANOV, S.A.

Hydrogenation of kerosene fractions of straight-run distillates of
certain Azerbaijan petroleum. Azerb. neft. khoz. 39 no.10:38-40
O '60. (MIRA 13:11)

(Azerbaijan--Kerosene)

MARDANOV, M.A.; SULTANOV, S.A.; NARGHILSKAYA, S.G.

Hydrogenation of white fractions of Siazan' oil. Azerb. zhim.
zhur. no.3:16-21 '65. (MIRA 19:1)

1. Institut neftekhimicheskikh protsessov AN AzerSSR.

ORLOVA, A.P.; DERMOYAN, O.S.; NARODITSKAYA, S.I.

Some recommendations on the prevention of pollution in the Salar
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L 07956-67 EWT(m) DJ

ACC NR: AP6033-95

SOURCE CODE: UR/0413/66/000/018/0117/0117

INVENTOR: Kolosov, Yu. A. ; Naroditskaya, Yu. I.

ORG: none

TITLE: Hydraulic ^{||} mechanism for balancing rotors. Class 42, No. 186173

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 18, 1966, 117

TOPIC TAGS: rotor, rotor balancing, balancing mechanism

ABSTRACT: An Author Certificate has been issued describing a hydraulic mechanism for balancing in motion rotors, containing an internal bushing with ribs along a generating line and an external bushing—both fixed on the rotor pivots; the operating chambers are provided with seals. To achieve an automatic balancing of the inflexible and flexible rotors while in operation, reverse valves are installed at the operating chambers intake, and each operating chamber is provided with a servomechanism and a release valve, which is controlled by the servomechanism; the pressure is controlled from the radially opposed operating chamber through a pipeline, connecting each chamber with the servomechanisms of the radially

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UDC: 621.828:533.695.8

L 07956-67

ACC NR: AP6033495

opposed chamber (see Fig. 1). [Translation]

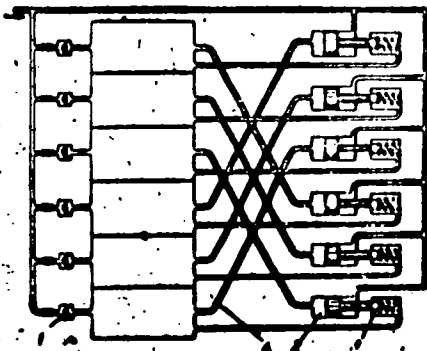


Fig. 1. Hydraulic mechanism for balancing rotors

1— Reverse valve; 2—servo-mechanism; 3—release valve; 4—pipeline.

SUB CODE: 13/ SUBM DATE: 06May64/

Card 2/2 *ecg*

ACC NR: AP7002589

(A, N)

SOURCE CODE: UR/0413/66/000/005/0089/0089

INVENTORS: Kolosov, Yu. A.; Maroditskaya, Yu. I.

ORG: none

TITLE: A hydraulic device for balancing rotors. Class 42, No. 189200

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 23, 1966, 89

TOPIC TAGS: hydraulic device, turbine rotor, valve, bushing

ABSTRACT: This Author Certificate presents a hydraulic device for balancing rotors in action. The device contains an internal bushing ribbed along its generatrix, an external bushing, and a distributing valve (see Fig. 1). To balance rigid and flexible rotors in action, the internal ribbed bushing and the external one are placed rigidly on pins in the rotor so that they can not turn in respect to one another. The working chambers formed by the internal and the external bushing are provided with stiffeners. To produce and to relieve the necessary pressure in the revolving chamber, the distributing valve has the form of an internal revolving plunger with seven axial openings and with six annular grooves. The immobile external bushing is placed on the plunger. This bushing has six radial openings connected with the six annular grooves in the plunger.

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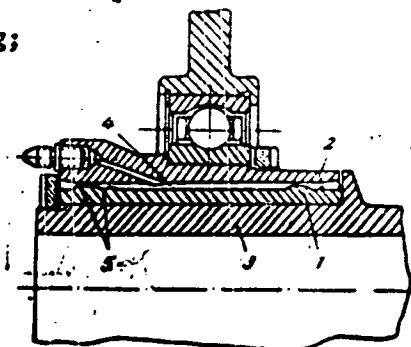
UTC: 621-755

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5704

ACC NR: AP7002589

Fig. 1. 1 - internal bushing; 2 - external bushing;
3 - rotor pin; 4 - working chamber;
5 - stiffener



Orig. art. has: 1 figure.

SUB CODE: 13, 21/ SUBM DATE: 18Apr64

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